REMARKS

Rejections over Liebenow (US Pat. 6,522,640), Brandt (US Pat. 4,727,535), and Henderson (US Pat. 6,611,681)

Claims 1-21 stand rejected over Liebenow in combination with Brandt and, in the case of claim 9, Henderson. The applicant previously argued that, in Liebenow,

> It is noteworthy that the original analog voiceband signal received at the first unit and processed in the CODEC is not itself modulated for transmission to the second unit, but is converted into a digital signal *before* modulation and transmission
>
> (response to office action of Dec. 14, 2005),

and previously amended claim 1 to require that "the base unit includes a transmitter for *analog* modulation of an *analog* voiceband data signal" and that the remote unit correspondingly includes a receiver for "analog demodulation of the analog voiceband signal" (emphasis added). This rendered the claims patentable because

> "In Liebenow, the analog voiceband data signal is first converted into digital form before modulation for radio transmission, and therefore the analog voiceband signal is not analog modulated."

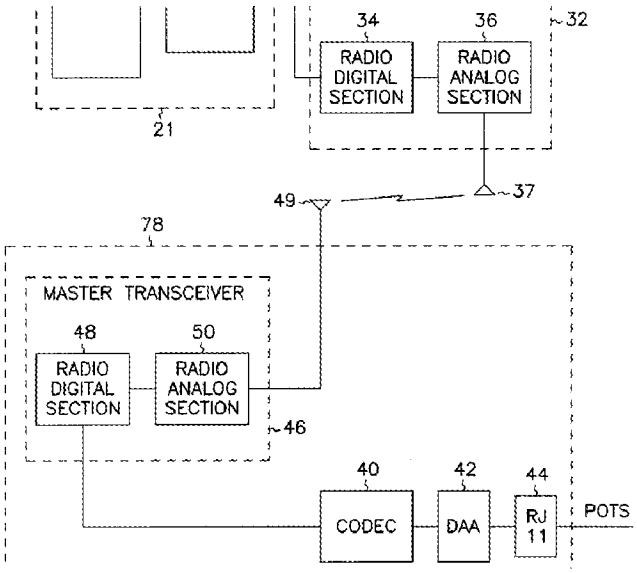
The examiner has now responded by arguing that

> Liebenow clearly disclose a transmitter 50 of the transceiver 46 for analog modulation of an analog voiceband data signal received over a telephone line
>
> (office action of June 9, 2006)

and that

> the claim (claim 1) itself is not narrow enough to prevent the analog voiceband data signal received over the telephone line from being processed such as embedding with error-correction data before being analog modulated for transmission
>
> (Id).

A portion of Figure 2 of Liebenow and an accompanying description is reproduced below for reference:



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Base station **38** includes CODEC **40** and DAA **42**. CODEC **40** and DAA **42** are identical to CODEC **26** and DAA **28**. CODEC **40** and DAA **42** receive signals from DSP **24** in a wireless manner via the transceivers. CODEC **40** and DAA **42** communicate with a POTS via telephone connector **44**, which is identical to telephone connector **30**. Base station **38** includes transceiver **46** which corresponds to transceiver **32** coupled to modem **21**. Transceiver **46** includes digital section **48**, corresponding to digital section **32**, and analog section **50**, which corresponds to analog section **36**. Digital signals sent by CODEC **40** for transmission to DSP **24** are embedded with error-correction data by digital section **48** and converted to analog by analog section **50**. Similarly, signals sent by DSP **24** wirelessly are received in an analog fashion by section **50** and converted to digital signals, which digital section **48** checks for errors. Transceiver **46** includes an antenna **49** to send and receive wireless radio frequency (RF) signals. (I.e., antennas **37** and **49** are communicatively coupled to one another.) Base station **38** is preferably powered by a small plug-in AC adapter not shown in FIG. **2**.

The applicant disagrees with the Examiner's position. Figure 2 and the accompanying description in Liebenow clearly show that the input to the Radio Analog Section 50 is the output of the Radio **Digital** Section 48. The Radio Analog Section 50 "corresponds to analog section 36" (col. 5, ll. 10-11), which "**converts this digital signal** [from digital section 34] to an analog signal for wireless transmission" (col. 4, ll. 61-62, emphasis added). Even though the digital signal passing from the Radio Digital Section 48 to the Radio Analog Section 50 may represent what was, at one point, an analog voiceband signal, the Radio Analog Section 50 does NOT perform **analog** modulation of an **analog** voiceband data signal. Embedding error-correction data into the digital signal passed from CODEC 40 to Radio Digital Section 48 may not diverge from claim 1, as the examiner argues, but first converting the signal to digital (in the CODEC 40, see col. 3, ll. 66-67) certainly does. The unambiguous consequence of "analog modulation of an analog voiceband data signal" is to exclude digital-to-analog modulation of a digital signal, whatever data it may contain.

Liebenow absolutely fails to disclose "analog modulation of an analog voiceband data signal." Claim 1 is patentable for at least this reason, as are claims 11, 16, and 17. The remaining claims are all properly dependent on one or more of the independent claims, and thus allowable

therewith. Each of the dependent claims adds one or more further limitations that enhance patentability, but those limitations are not presently relied upon. For that reason, and not because applicants agree with the examiner, no rebuttal is offered to the examiner's reasons for rejecting the dependent claims.

No fees are believed due at this time. Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

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